



Note Well: Hypothermia increases cardiac irritability. Refractory

dysrhythmias may arise during assessment and treatment. Contact medical control as early as possible.

#### I. All Provider Levels

- 1. Follow general patient-care guidelines in section A1.
- 2. Observe and document patient presentation.



**Note Well:** Patient may also present with a history of cold

exposure, altered level of consciousness, shivering, muscle stiffness, stumbling or staggering gait, respiratory distress or arrest, and/or cardiac arrhythmia or arrest.

- 3. Establish patient responsiveness.
  - A. If cervical spine trauma is suspected, manually stabilize the spine.
- 4. Check the airway.
  - A. Open the airway using a head tilt chin lift if no spinal trauma is suspected, or modified jaw thrust if spinal trauma is suspected. Suction as necessary. Consider placing an oropharyngeal or nasopharyngeal airway adjunct if the airway cannot be maintained with positioning.
- 6. Assess the patient's mental status.
- 7. Assess the patient's breathing including rate, auscultation, inspection, effort and adequacy of ventilation as indicated by chest rise.
  - Obtain a pulse oximeter reading.

Effective Date: November 20, 2002 Revision Number: DRAFT - 3



#### I. All Provider Levels (continued)

- 8. If no breathing is present, then position the airway and start bag valve ventilations using 100% oxygen.
  - A. Refer to the vital signs chart for appropriate rates.
- 9. If airway cannot be maintained, begin ventilations with B-V-M and initiate advanced airway management using a combi-tube.



**Note Well:** Do not use a combi-tube on a patient younger than 16 years of age or less than 5-feet tall.



**Note Well:** The EMT-I and EMT-P should use ET intubation.

- 10. If breathing is adequate, place the child in a position of comfort and administer high flow, 100% oxygen.
  - A. Use a non-rebreather or blow by as tolerated. If possible, administer warmed oxygen.
- 11. Assess circulation and perfusion.
  - A. If no pulse is present, refer to the appropriate cardiac algorithm.
  - B. If hypothermia is suspected and the patient does not have injuries incompatible with life, resuscitation should be continued during transport to the hospital.

Effective Date: November 20, 2002 Revision Number: DRAFT - 3

Revision Date: November 2002



#### I. All Provider Levels (continued)

- 12. Remove patient from cold environment.
  - A. Handle frostbitten areas gently. Cover these areas with gauze and protect further heat loss. Do not rub frostbitten areas.
  - B. Protect from further heat loss by removing wet clothing and covering with dry thermal blankets.
  - C. Passively re-warm the patient within a warm environment.
- 13. Call for ALS support. Initiate care and do not delay transport waiting for an ALS unit.
- 14. If the patient is unstable, initiate IV access with an age appropriate catheter and administer normal saline at a KVO rate.



Note Well: BLS Providers cannot start an IV on a patient less

than eight years of age



**Note Well:** An ALS unit must be en route or on scene.



Note Well: Do Not Delay Transport to Obtain IV Access.



Note Well: If IV access cannot be readily established and the

child is younger than 6 years of age then ALS Providers only may proceed with IO access. If the child is over 6 years of age, then contact Medical Control for IO access.

Effective Date: November 20, 2002 Revision Number: DRAFT - 3



#### **Advanced Life Support Providers**



- 1. Initiate cardiac monitoring.
  - A. Treat any arrhythmias using the appropriate algorithm.



#### **Transport Decision**

- 1. If spinal trauma is suspected, continue manual stabilization, apply a rigid cervical collar, and immobilize the patient on a long backboard or similar device.
- 2. Expose the child only as necessary to perform further assessments.
  - Α. Maintain the child's body temperature throughout the examination.
- 3. If the child's condition is unstable initiate transport.
  - Α. Perform focused history and detailed physical examination en route to the hospital if patient status and management of resources permit.
- Contact medical control for additional instructions. 4.
- 5. Initiate transport to the nearest appropriate facility as soon as possible.
- 6. Perform focused history and detailed physical exam en route to the hospital.
- Reassess at least every 3-5 minutes, more frequently as necessary 7. and possible.

Revision Number: DRAFT - 3 Effective Date: November 20, 2002 Page: W2.4

Revision Date: November 2002





# IV. The Following Options are Available by Medical Control Only

1. IO access for patients greater than 6 years of age.



This protocol was developed and revised by Children's National Medical Center, Center for Prehospital Pediatrics, Division of Emergency Medicine and Trauma Services, Washington, D.C.

Effective Date: November 20, 2002 Revision Number: DRAFT - 3



#### This Page Intentionally Left Blank

Effective Date: November 20, 2002 Revision Number: DRAFT - 3